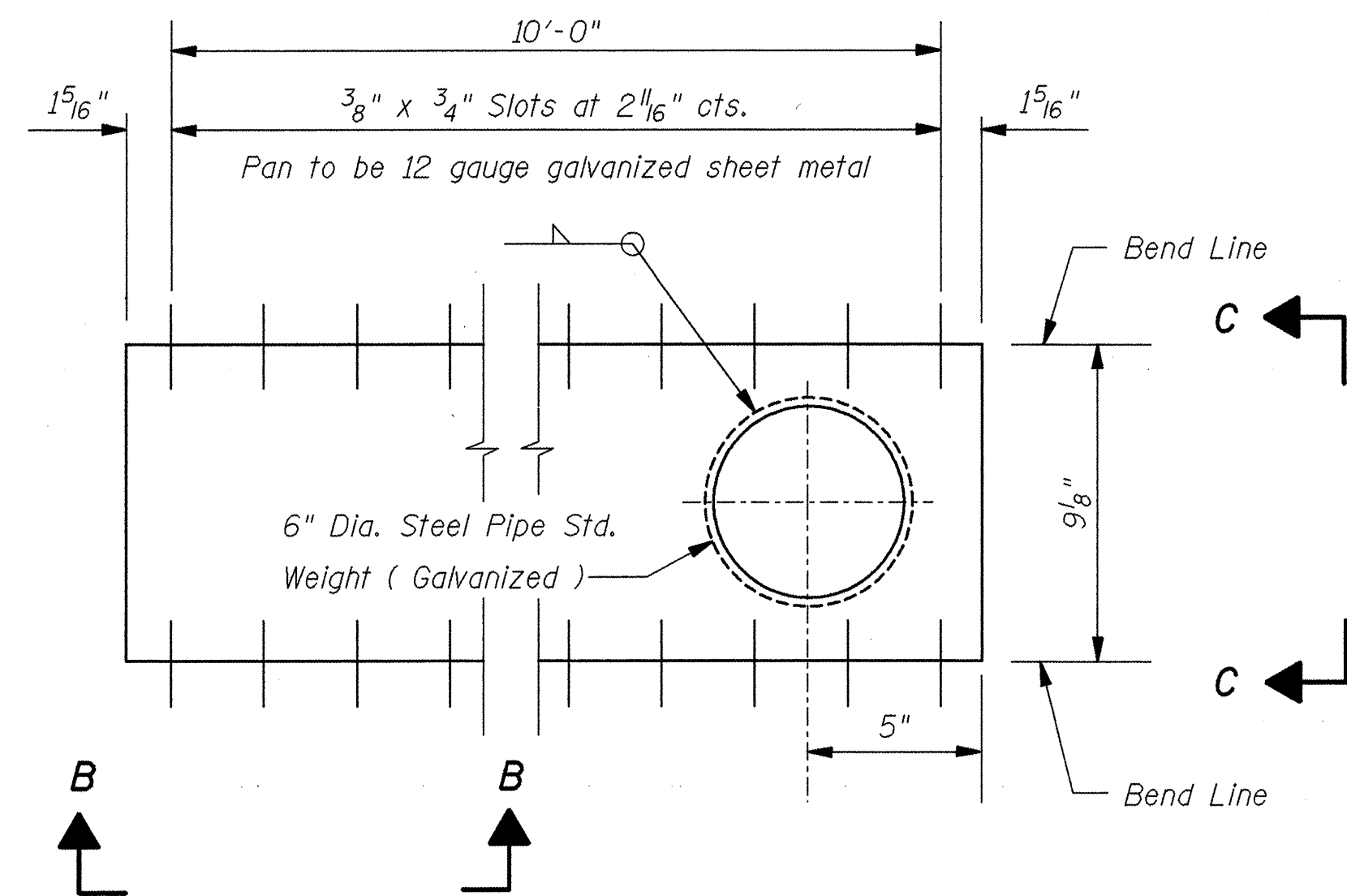


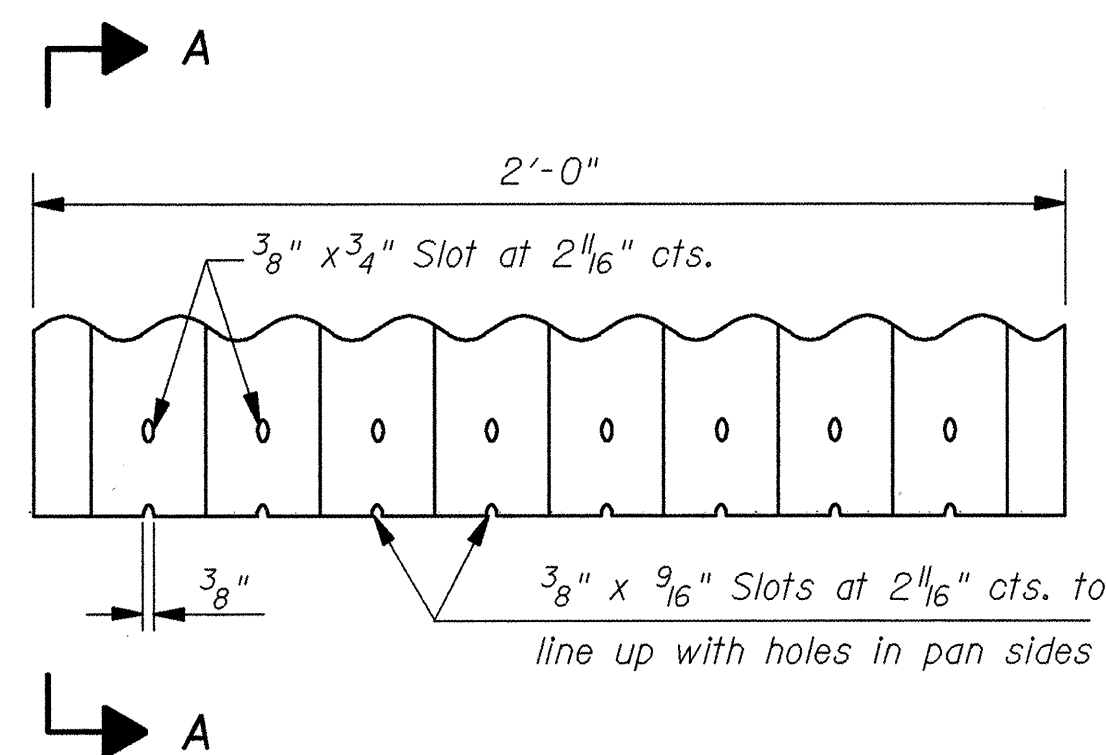
C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	98-00009-00-BR	SANGAMON	107	56
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
M.P. 179 SPRINGFIELD SUBDIVISION				
SHEET 19 OF 27				

93346



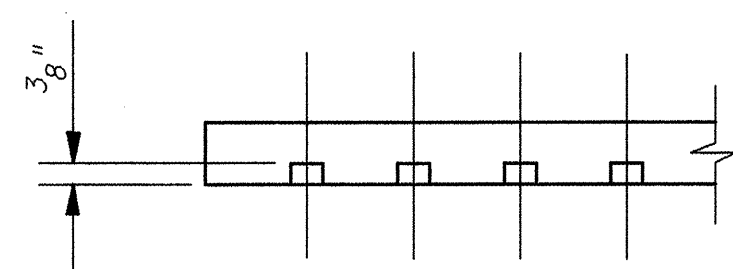
PLAN - BOTTOM PAN

Note: Bottom pan at end of bridge shown. Omit 6" vertical pipe and opening elsewhere.

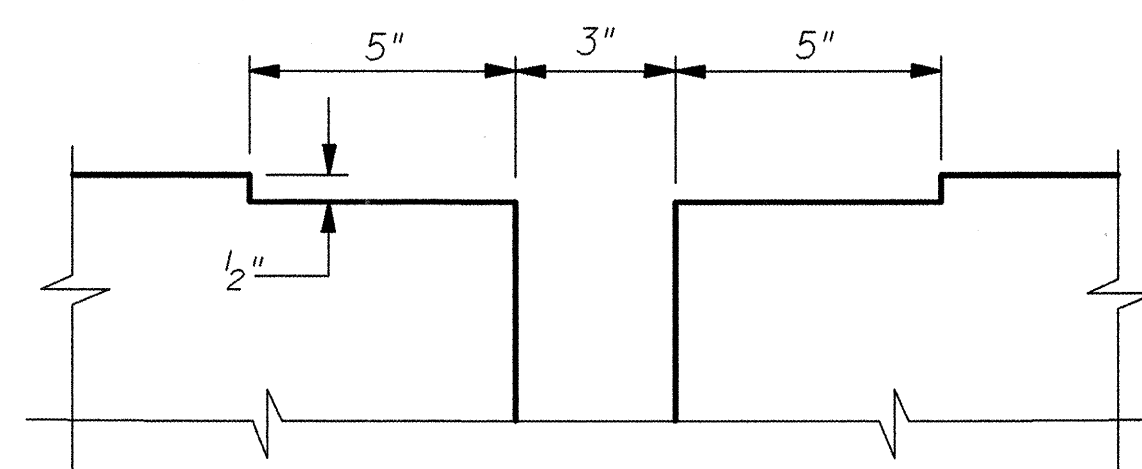


ELEVATION - DRAIN PIPE

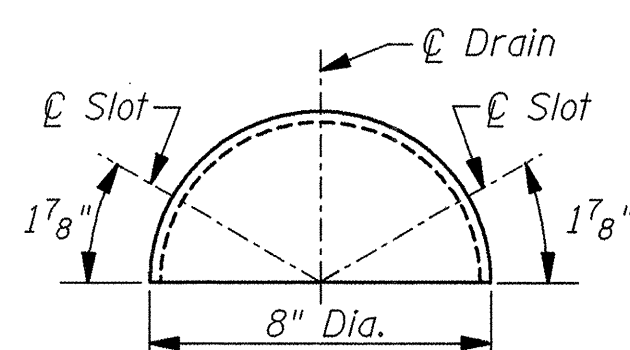
Note: Lap pipe one corrugation at each end. Pipe to be 12 gauge galvanized sheet metal.



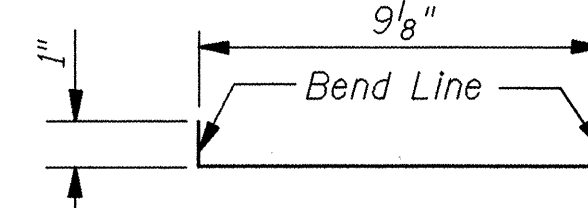
SECTION B-B



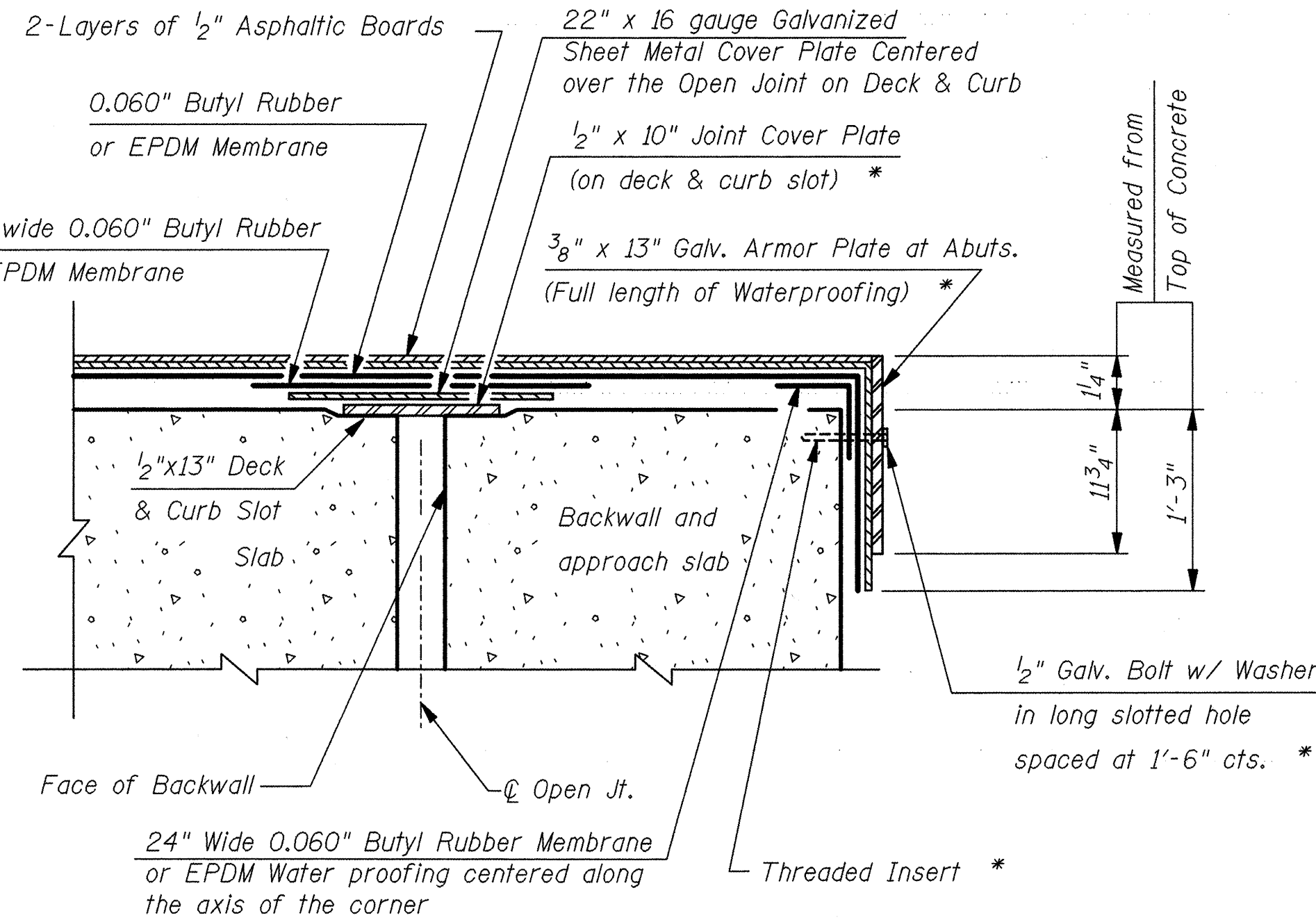
DECK AND CURB SLOT
Dimensions Given At Rt. to Joint



SECTION A-A

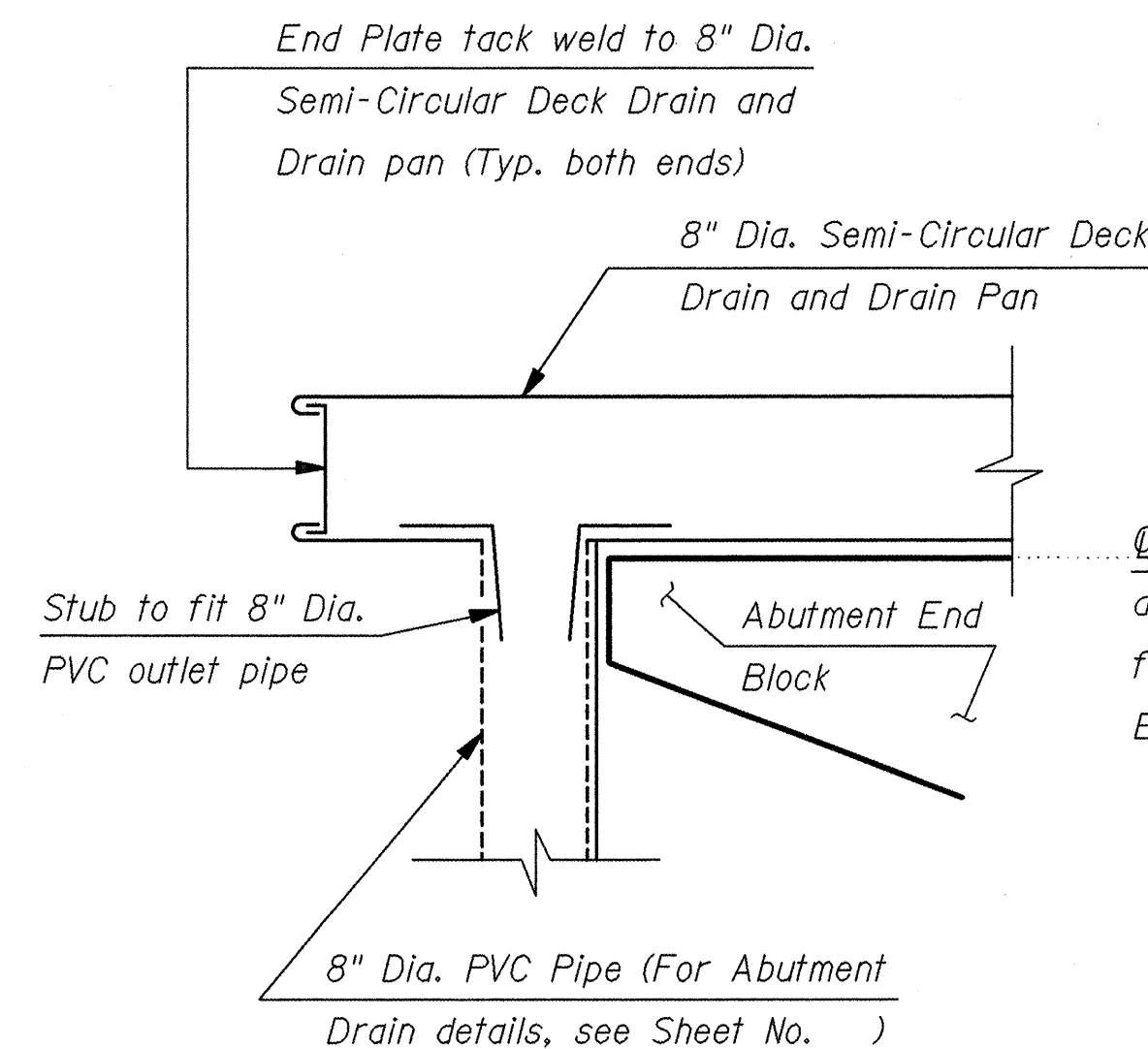


SECTION C-C



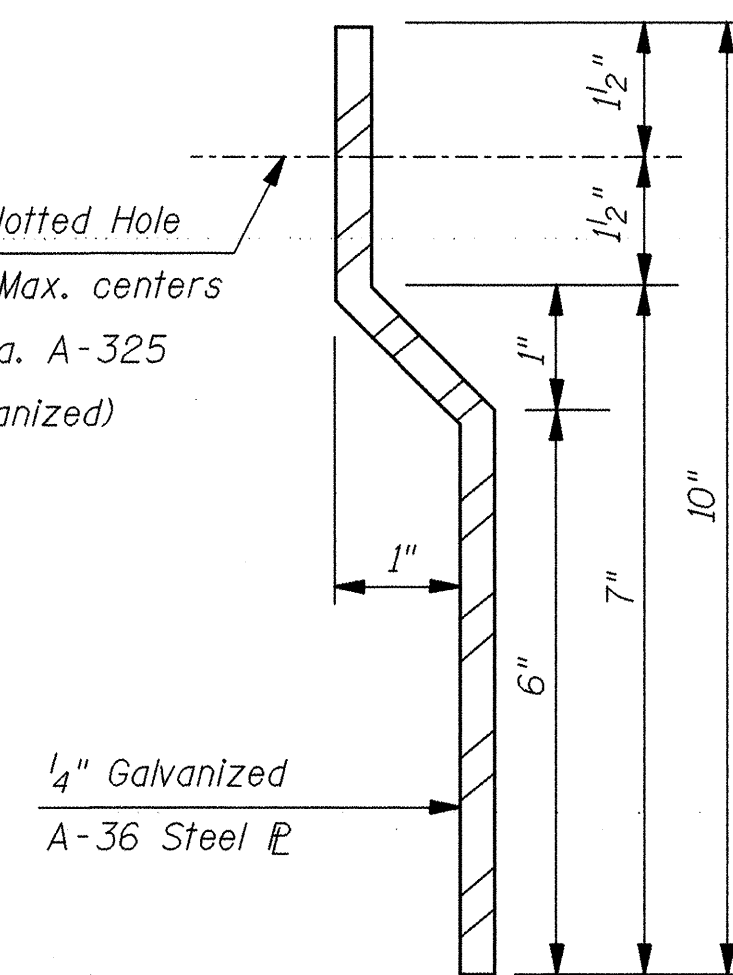
TYPICAL LONGITUDINAL SECTION THRU BACKWALL AND APPROACH SLAB

*Incidental to item "Membrane Waterproofing (Special)".

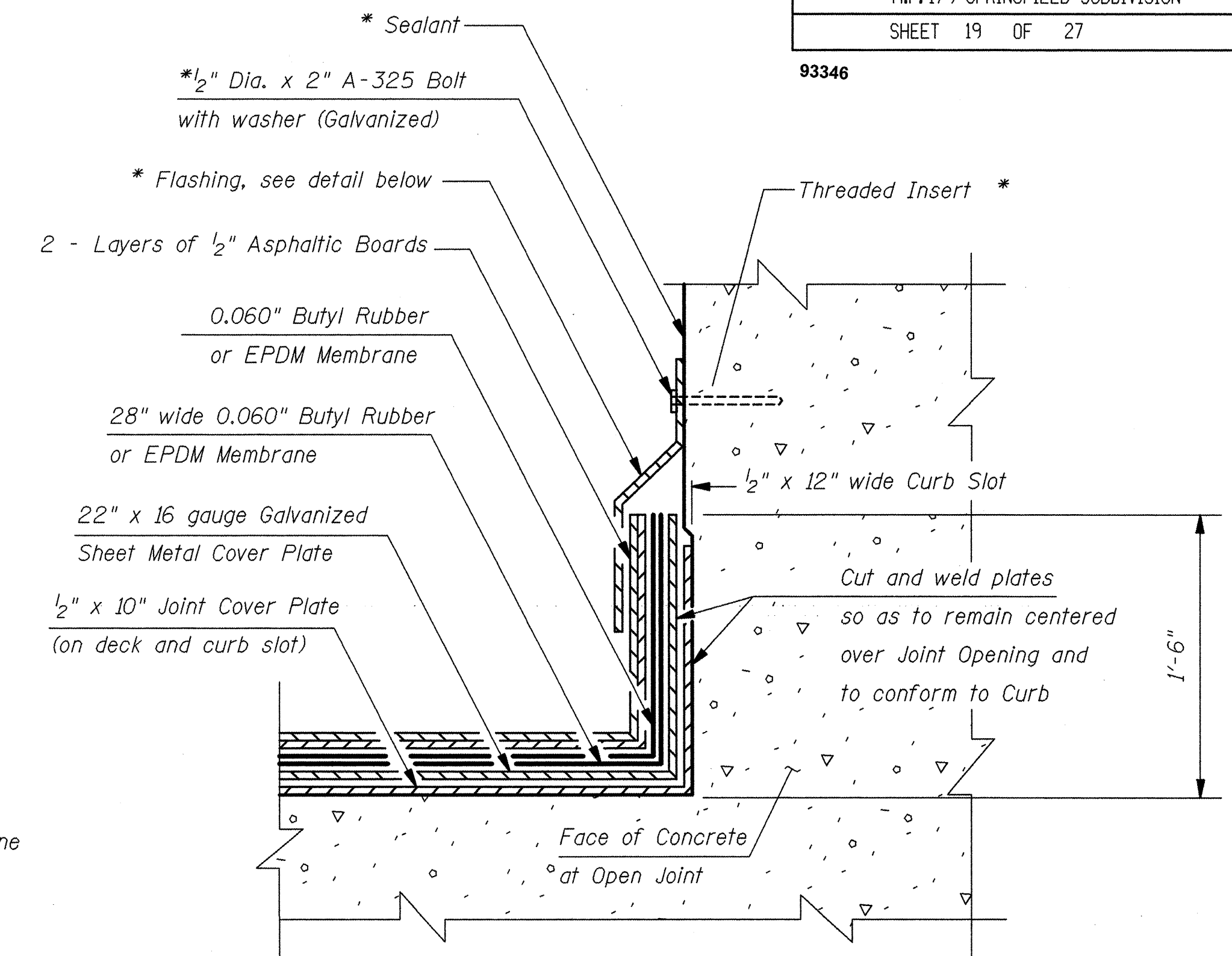


DECK DRAIN TERMINATION

Note: Outlet stub at end of bridge (South Abut.) shown. Omit outlet stub and drain pipe at opposite end (North Abut.).



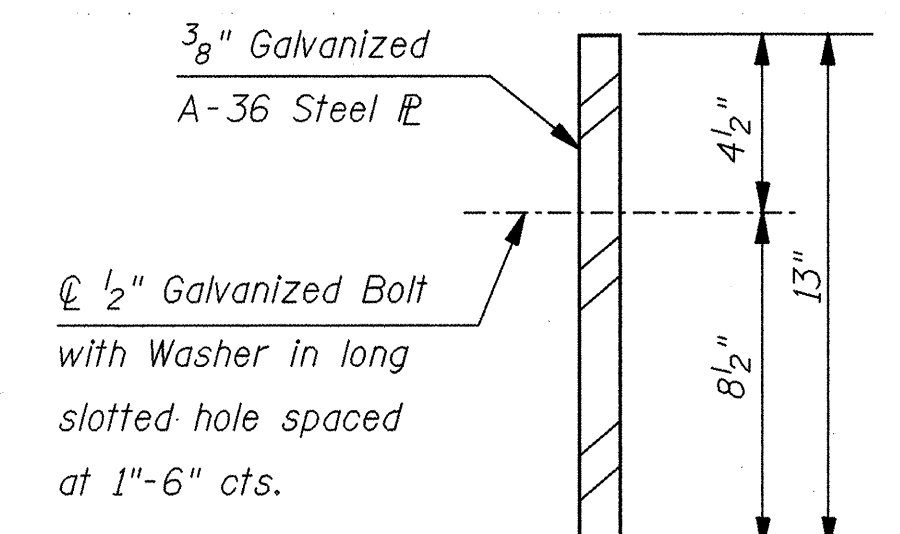
FLASHING DETAIL



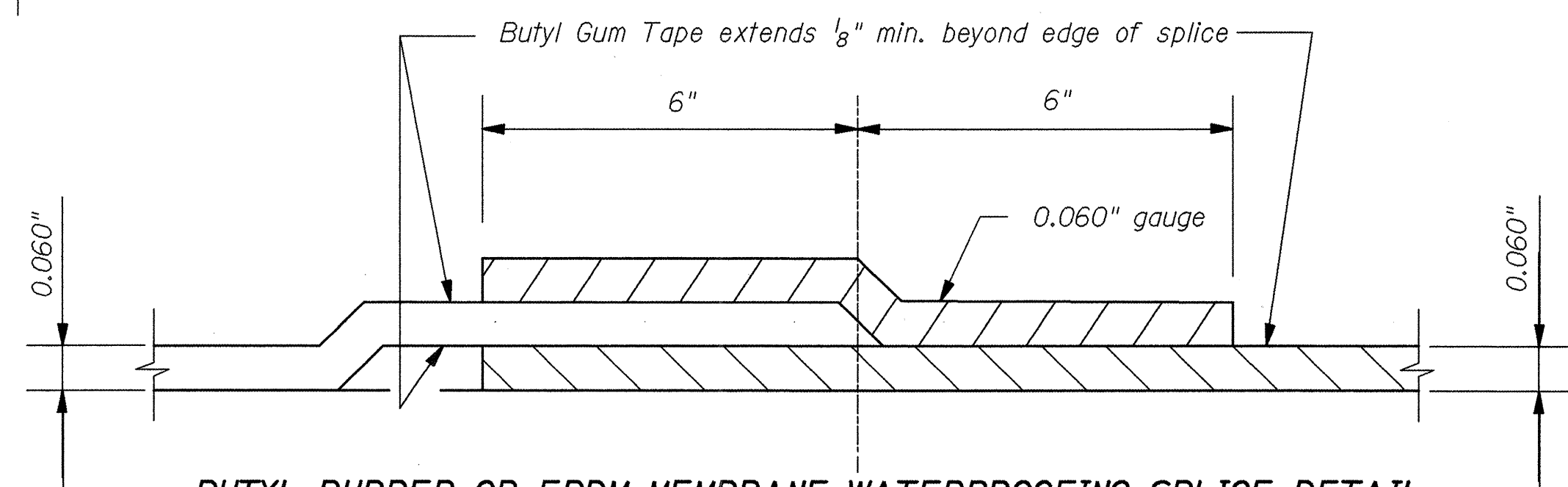
Note: Discontinue flashing over abutments.

TYPICAL TRANSVERSE SECTION OF OPEN JOINT AT CURB

Note: Waterproofing System shown in a raised position for clarity.



ARMOR PLATE DETAIL



BUTYL RUBBER OR EPDM MEMBRANE WATERPROOFING SPLICE DETAIL

(TONGUE & GROOVE FIELD SPLICES)

NOTES:

Downspout pipe drains shall be 8" diameter polyvinyl chloride pipe meeting the requirements of AASHTO M278 and Article 1040.10 of the Illinois Standard Specifications.

Membrane waterproofing of concrete deck slab shall be a 60 mil. thick butyl rubber membrane or EPDM waterproofing with asphaltic plank protection boards. Asphaltic plank protection board shall be placed in two layers and have a total thickness in place of not less than 1 inch. Butyl rubber membrane and asphaltic plank materials and workmanship shall comply with the requirements of the Illinois Standard Specifications, Section 580 and/or Chapter 29, Parts 1, 2, and 3 of the A.R.E.A. Manual for Railway Engineering.

**WATERPROOFING AND DECK DRAINS
UNION PACIFIC RAILROAD
OVER MEREDITH DRIVE
SANGAMON COUNTY
SEC. 98-00009-00-BR
STA. 9437+93.49
STRUCT. NO. 084-9946**

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DESIGNED BY: G.B.M.	CHECKED BY: D.R.B.	DRAWN BY: J.P.H.	DATE: 1-3-03
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